

Effect of P-5-P and aspirin alone or in combination on mortality

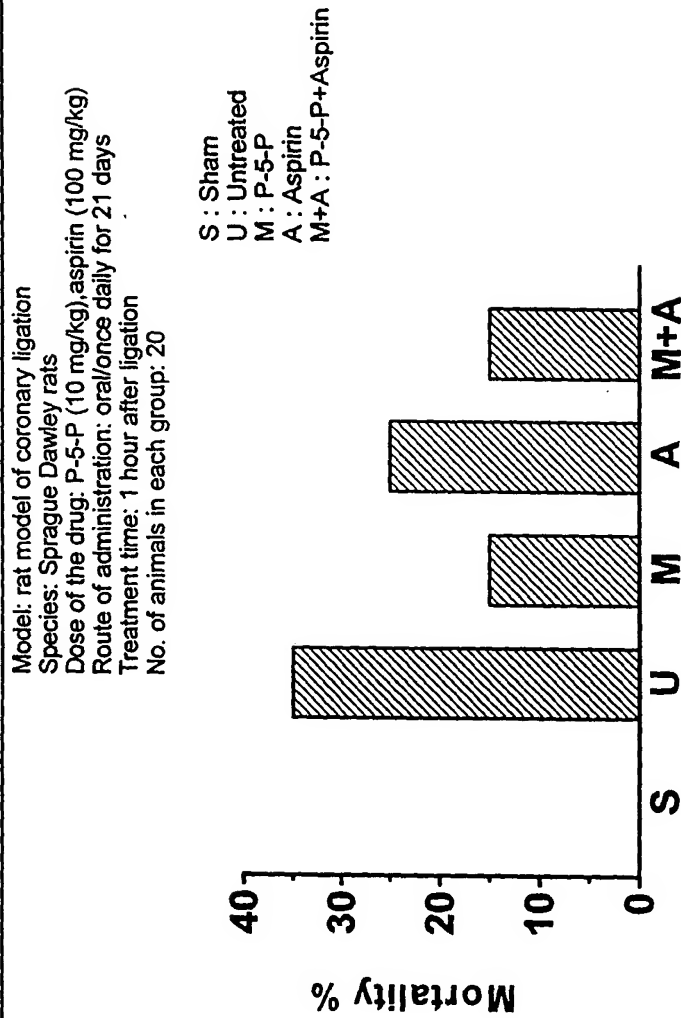


Figure 1

Effect of P-5-P and captopril alone or in combination on mortality

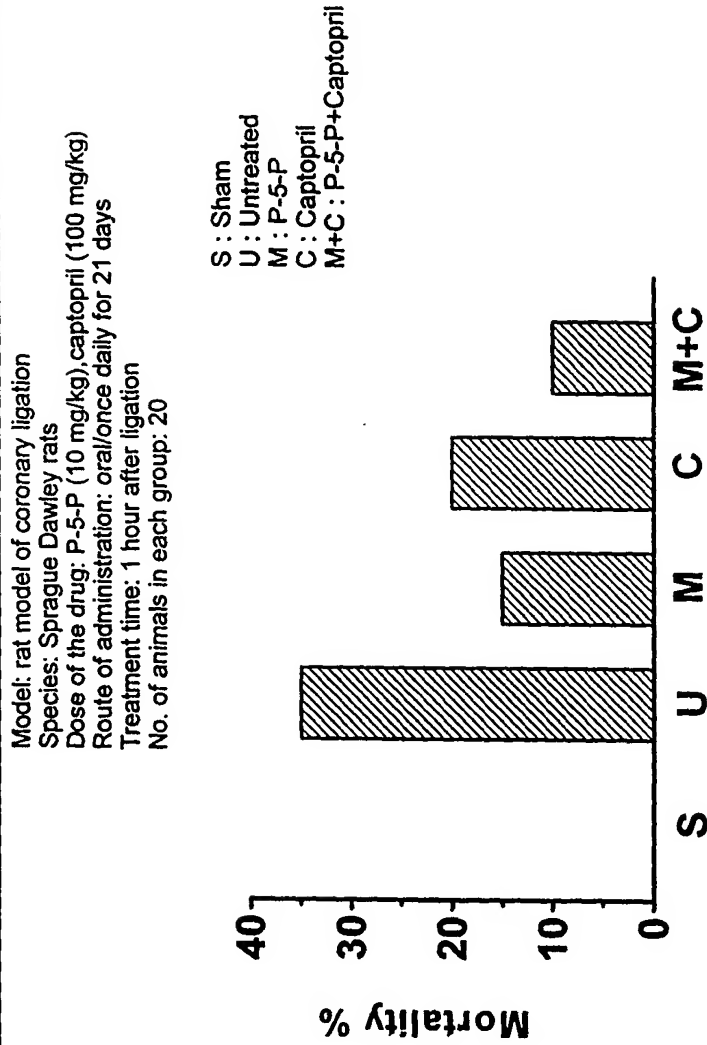


Figure 2

Effect of P-5-P and propranolol alone or in combination on mortality

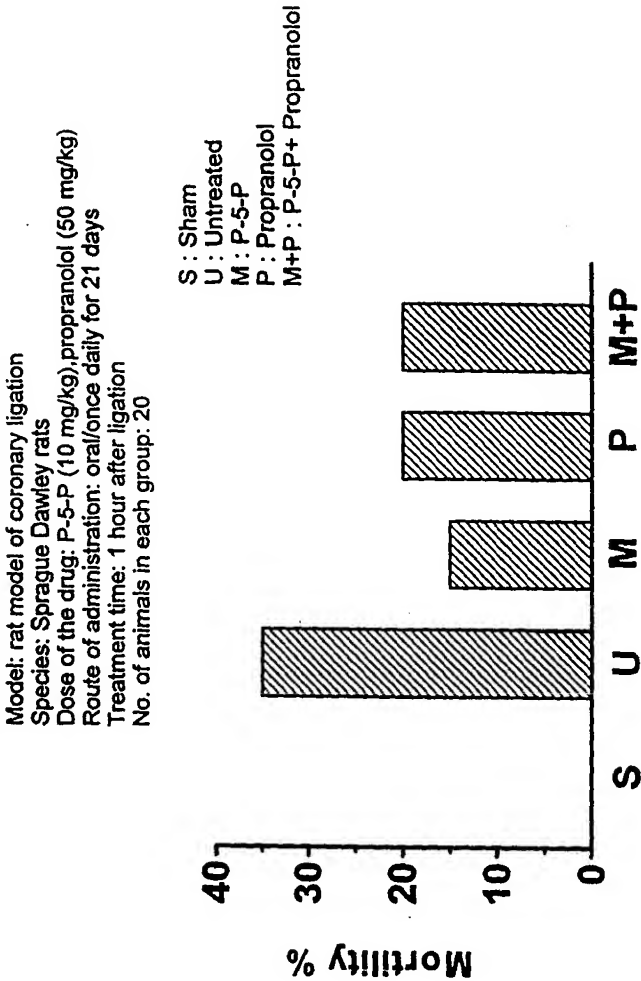


Figure 3

Effect of P-5-P and verapamil alone or in combination on mortality

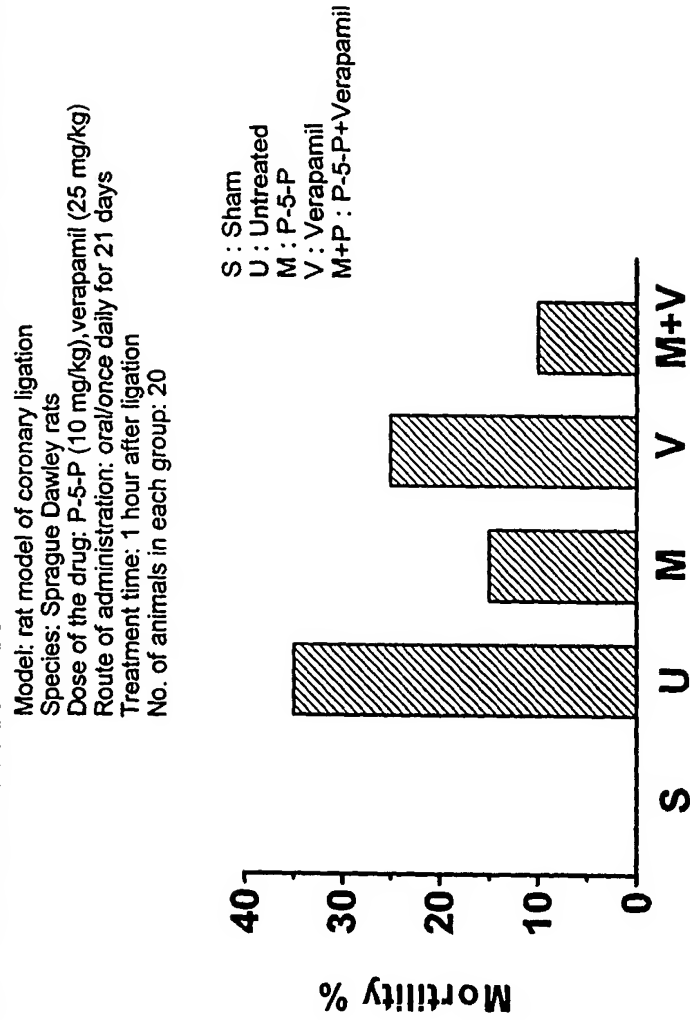


Figure 4

Effect of P-5-P and aspirin alone or in combination on scar weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Aspirin (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time : 1 hour after ligation
No. of animals in each group: 5-6

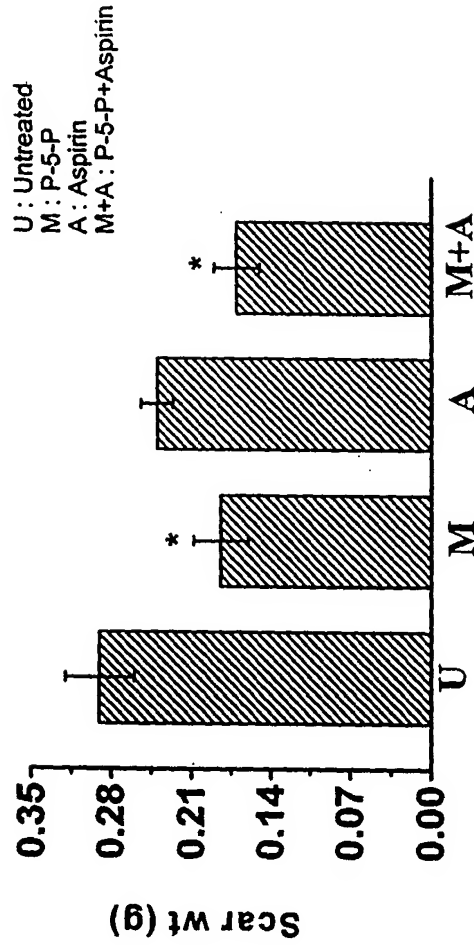


Figure 5
*P<0.05 significantly different from untreated and aspirin group

Effect of P-5-P and captopril alone or in combination on scar weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg); Captopril (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatement time: 1 hour after ligation
No. of animals in each group: 5-6

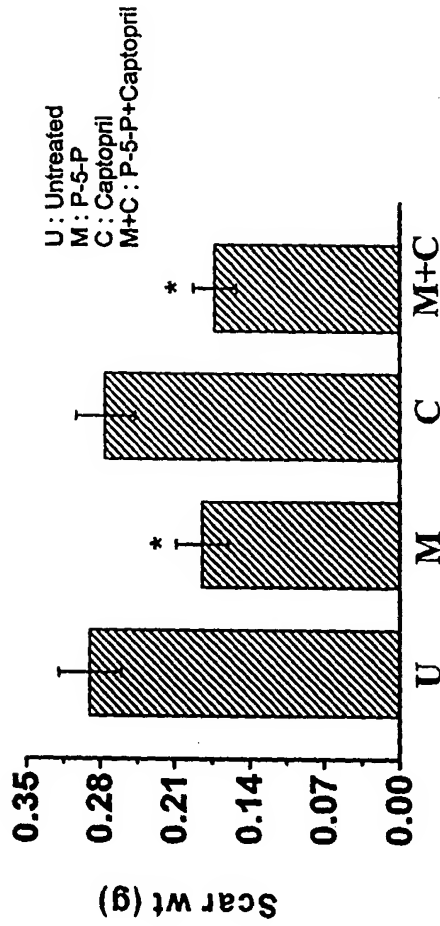


Figure 6 *P<0.05 significantly different from untreated and captopril group.

Effect of P-5-P and propranolol alone or in combination on scar weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Propranolol (50 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

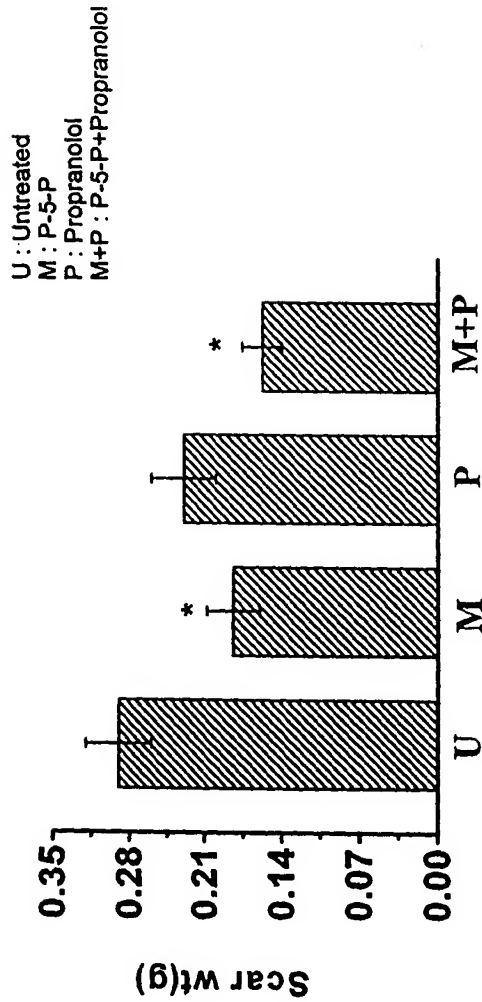
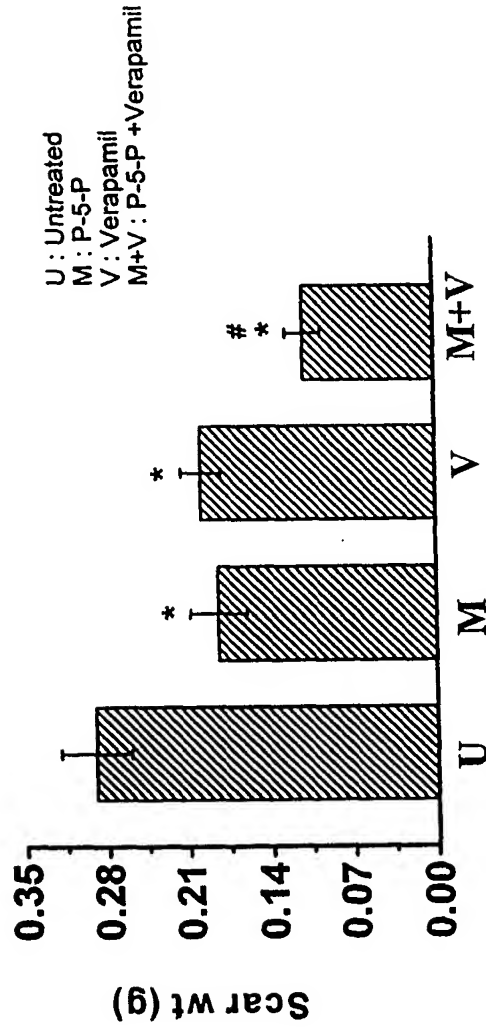


Figure 7

*P<0.05 significantly different from untreated group

Effect of P-5-P and verapamil alone or in combination on scar weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Verapamil (25 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment start time: 1 hour after ligation
No. of animals in each group: 5-6

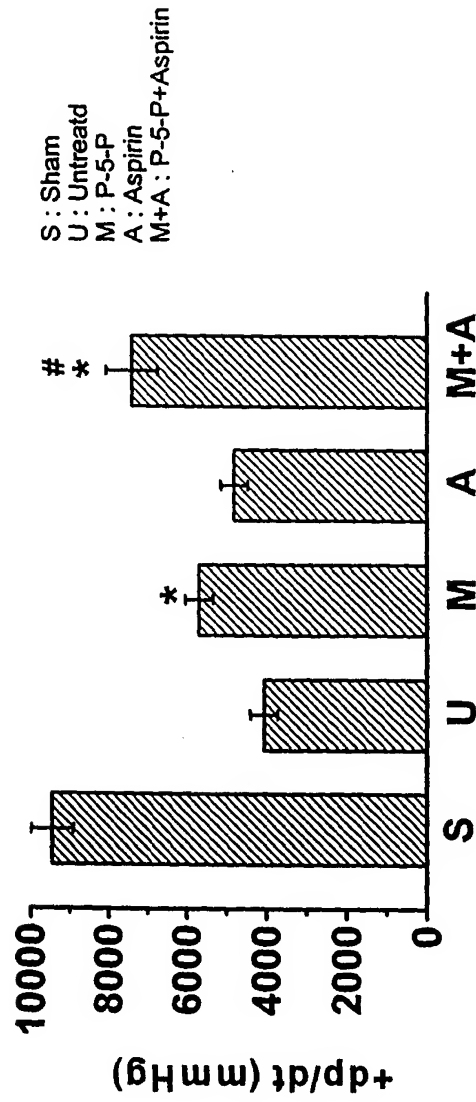


*P<0.05 significantly different from untreated group.
#P<0.05 significantly different from P-5-P and verapamil groups

Figure 8

Effect of P-5-P and aspirin alone or in combination on rate of force of contraction (+dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Aspirin (100 mg/kg)
Route of administration: Oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

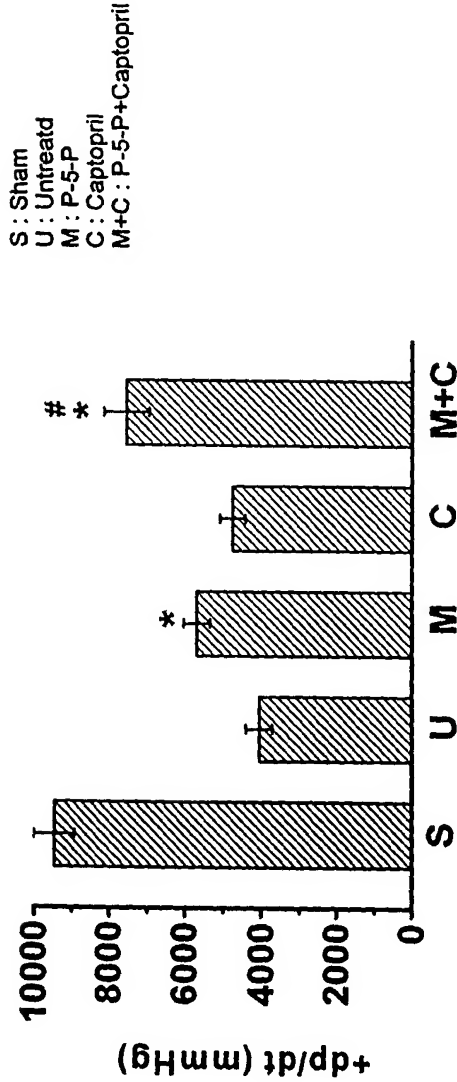


*P<0.05 significantly different from untreated group
#P<0.05 significantly different from MC-1 group

Figure 9

Effect of P-5-P and captopril alone or in combination on rate of force of contraction (+dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Captopril (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment start time: 1 hour after ligation
No. Of animals in each group: 5-6

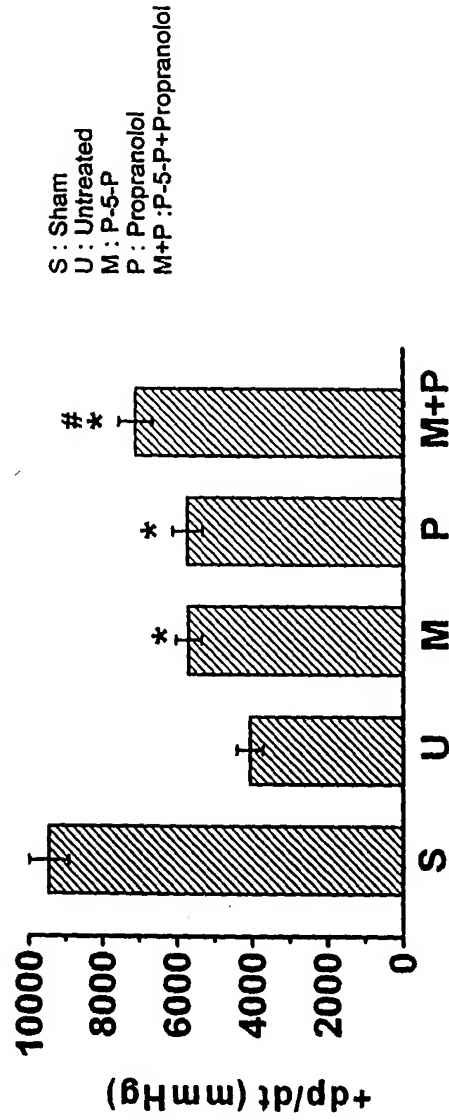


*P<0.05 significantly different from untreated group
#P<0.05 significantly different from MC-1 group

Figure 10

Effect of P-5-P and propranolol alone or in combination on rate of force of contraction (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Propranolol (50 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

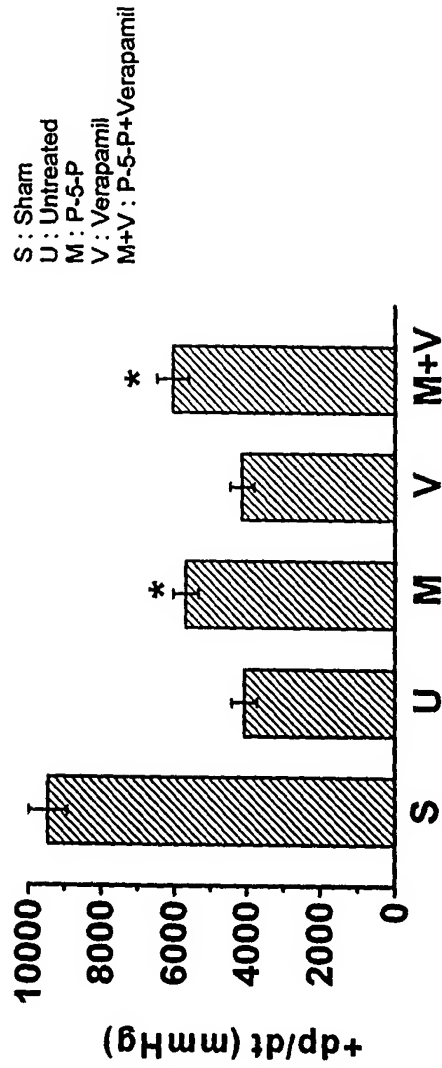


*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 11

Effect of P-5-P and verapamil alone or in combination on rate of force of contraction (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), verapamil (25 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 12

Effect of P-5-P and aspirin alone or in combination on rate of relaxation (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Aspirin (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

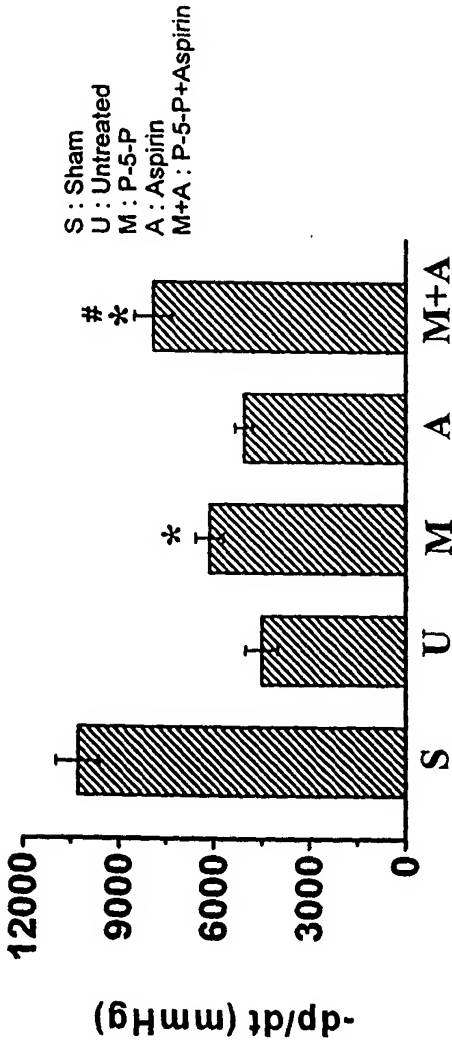
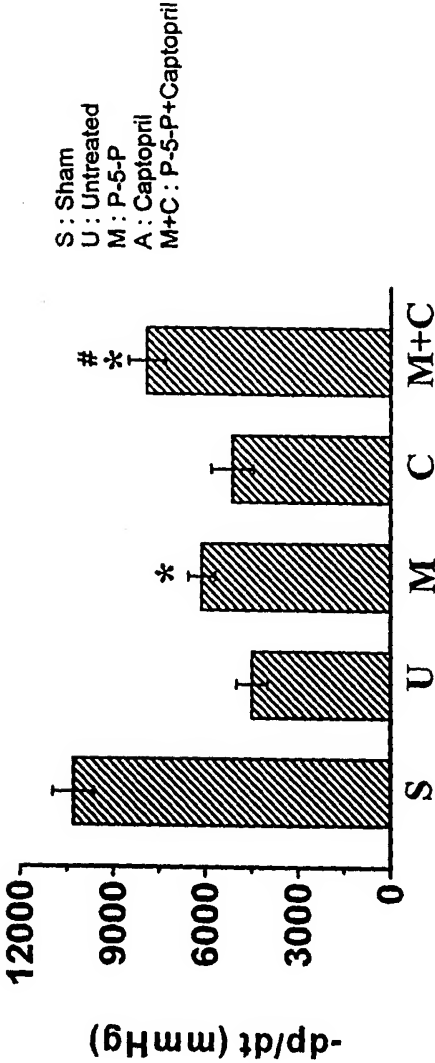


Figure 13
*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Effect of P-5-P and captopril alone or in combination on rate of force of relaxation (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), captopril (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

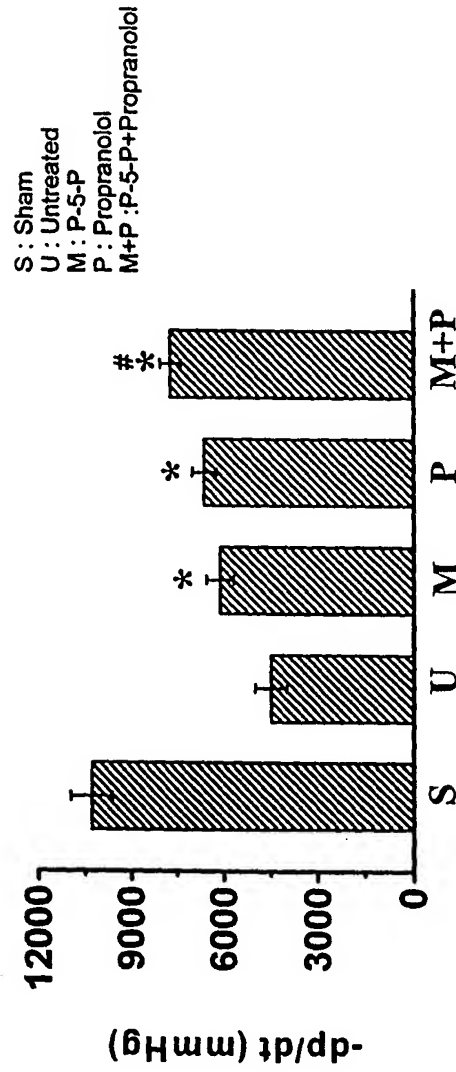


*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 14

Effect of P-5-P and propranolol alone or in combination on rate of relaxation (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), propranolol (50 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

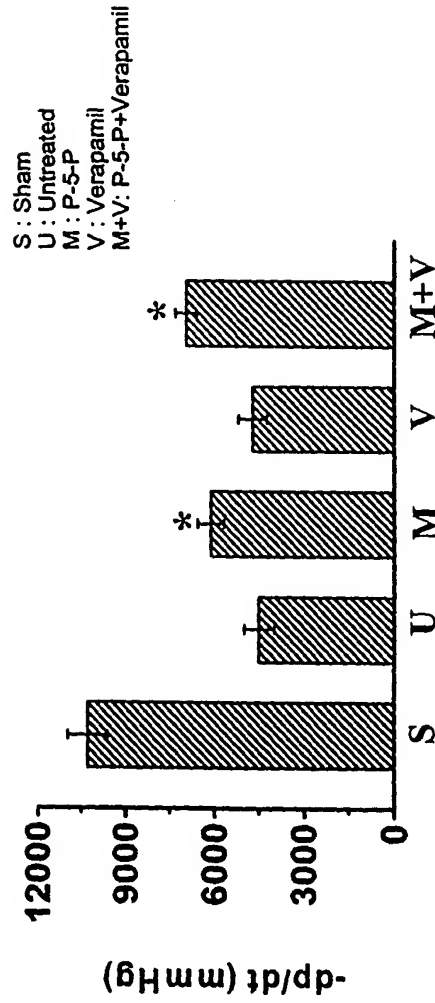


*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 15

Effect of P-5-P and verapamil alone or in combination on rate of force of relaxation (-dp/dt)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), verapamil (25 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 16

Effect of P-5-P and aspirin alone or in combination on left ventricular end diastolic pressure (LVEDP)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Aspirin (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

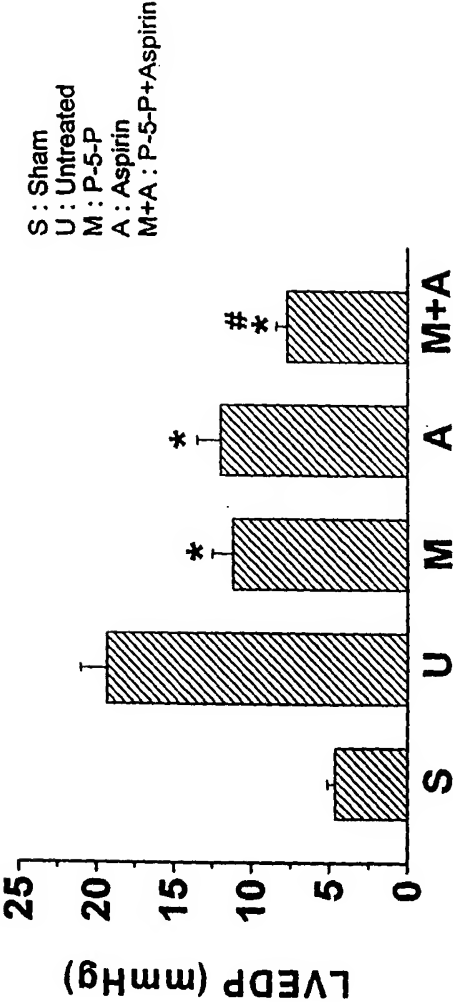
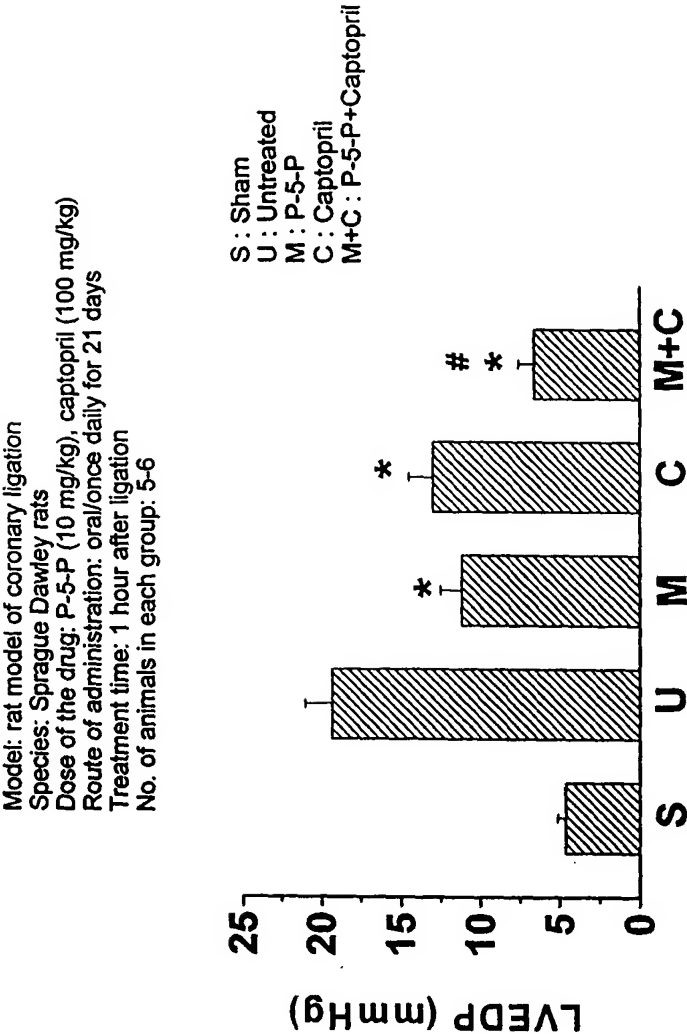


Figure 17

*P<0.05 significantly different from untreated group
#P<0.05 significantly different from MC-1 group

Effect of P-5-P and captopril alone or in combination on left ventricular end diastolic pressure (LVEDP)



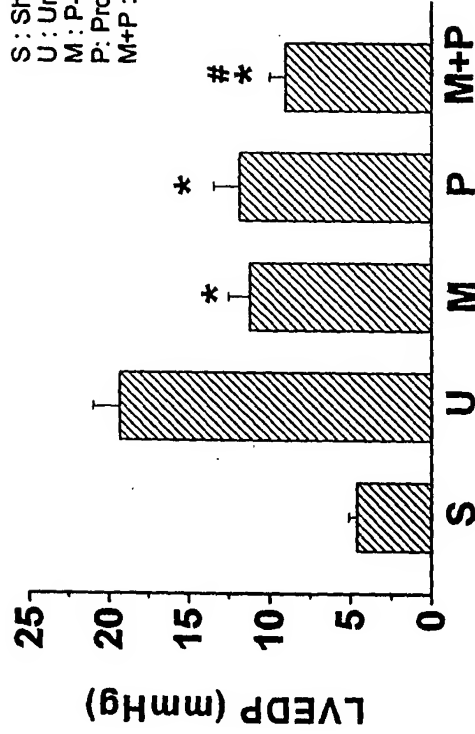
*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 18

Effect of P-5-P and propranolol alone or in combination on left ventricular end diastolic pressure (LVEDP)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), propranolol (50 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

S : Sham
U : Untreated
M : P-5-P
P : Propranolol
M+P : MC-1+Propranolol



*P<0.05 significantly different from untreated group
#P<0.05 significantly different from P-5-P group

Figure 19

Effect of P-5-P and verapamil alone or in combination on left ventricular end diastolic pressure (LVEDP)

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), verapamil (25 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

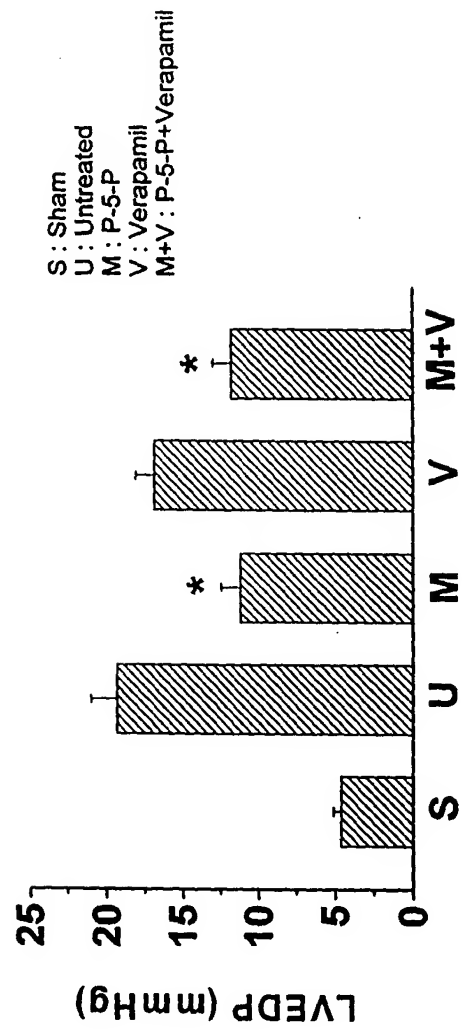
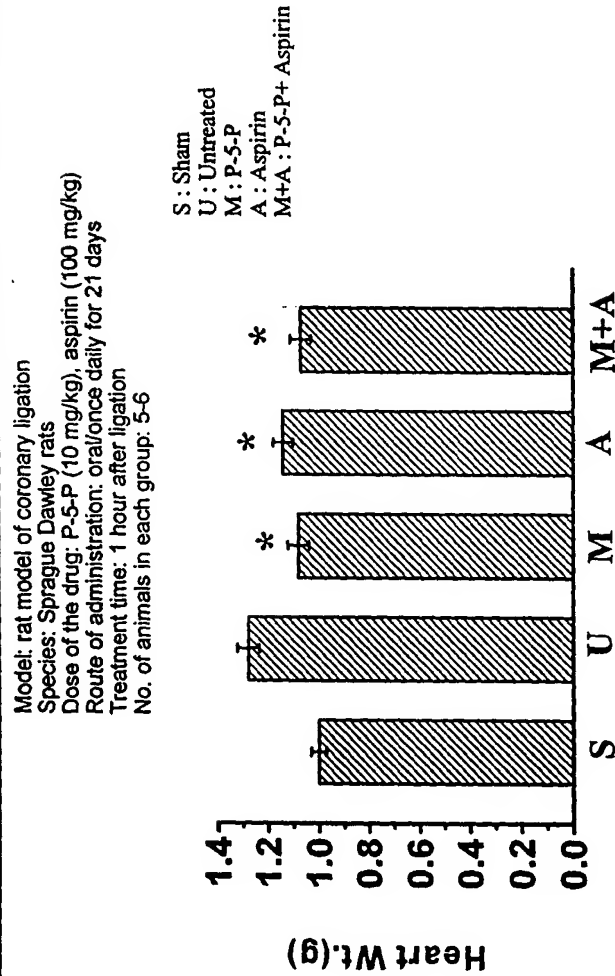


Figure 20
*P<0.05 significantly different from untreated group

Effect of P-5-P and aspirin alone or in combination on heart weight



*P<0.05 significantly different from untreated group

Figure 21

Effect of P-5-P and captopril alone or in combination on heart weight

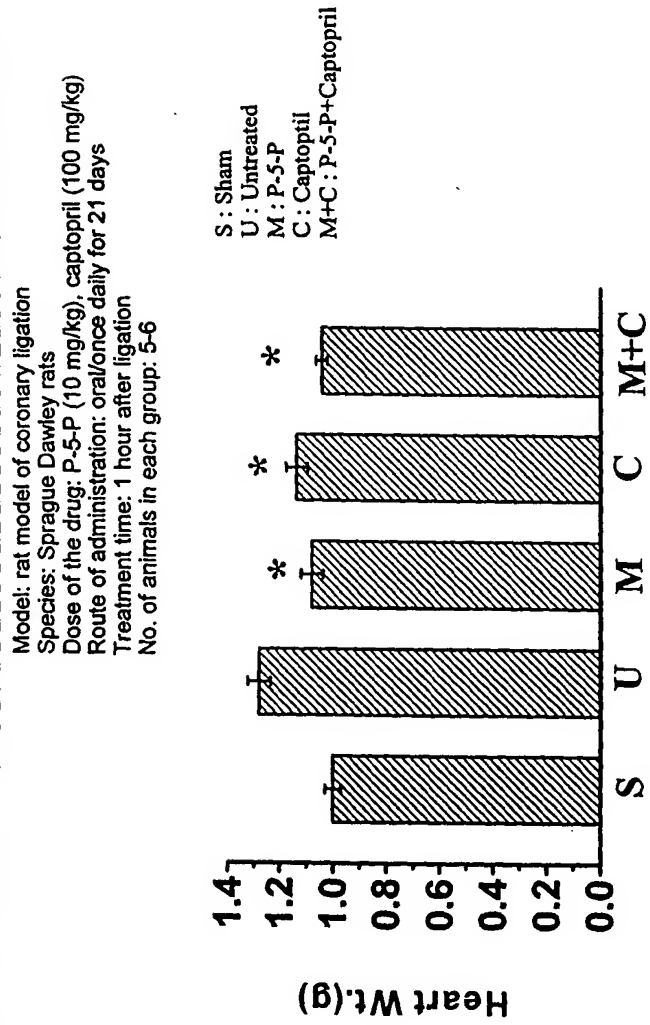


Figure 22

*P<0.05 significantly different from untreated group

Effect of P-5-P and propranolol alone or in combination on heart weight

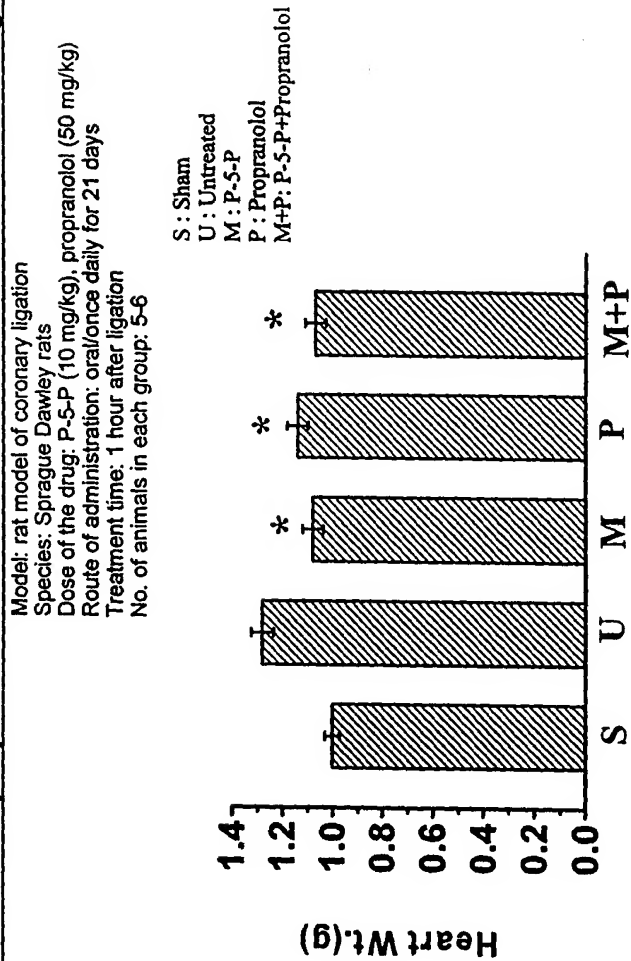


Figure 23 *P<0.05 significantly different from untreated group

Effect of P-5-P and verapamil alone or in combination on heart weight

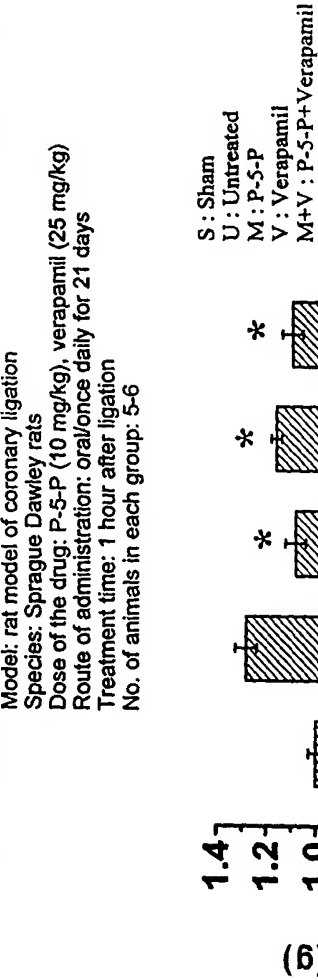
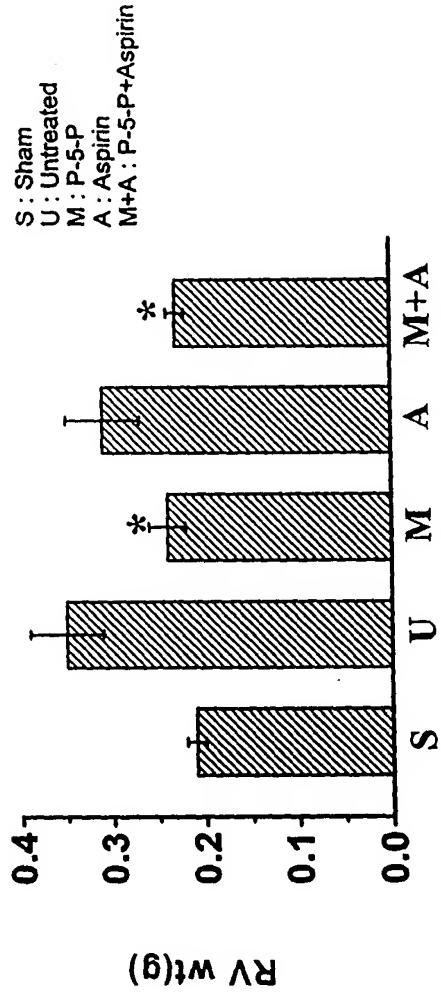


Figure 24

*P<0.05 significantly different from untreated group

Effect of P-5-P and aspirin alone or in combination on right ventricular weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), Aspirin (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6



*P<0.05 significantly different from untreated group

Figure 25

Effect of P-5-P and captopril alone or in combination on right ventricular weight

Model: rat model of coronary ligation
Species: Sprague Dawley rats
Dose of the drug: P-5-P (10 mg/kg), captopril (100 mg/kg)
Route of administration: oral/once daily for 21 days
Treatment time: 1 hour after ligation
No. of animals in each group: 5-6

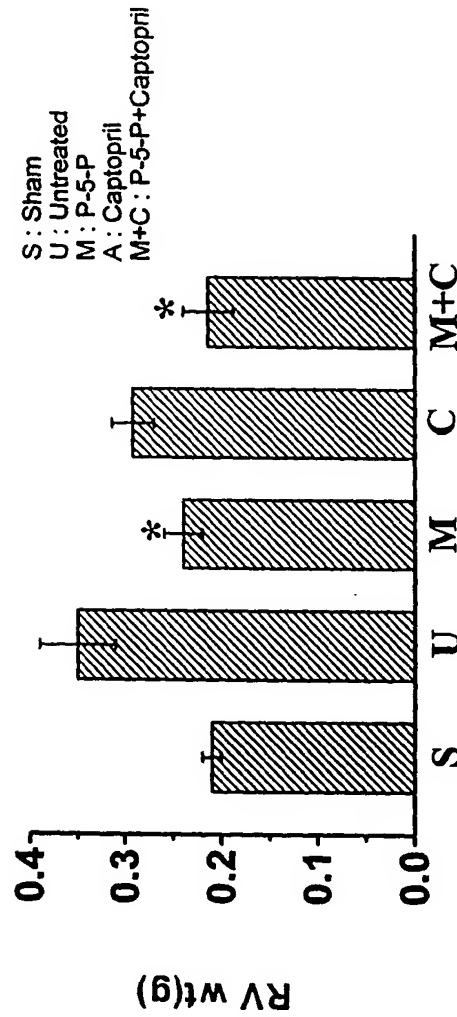
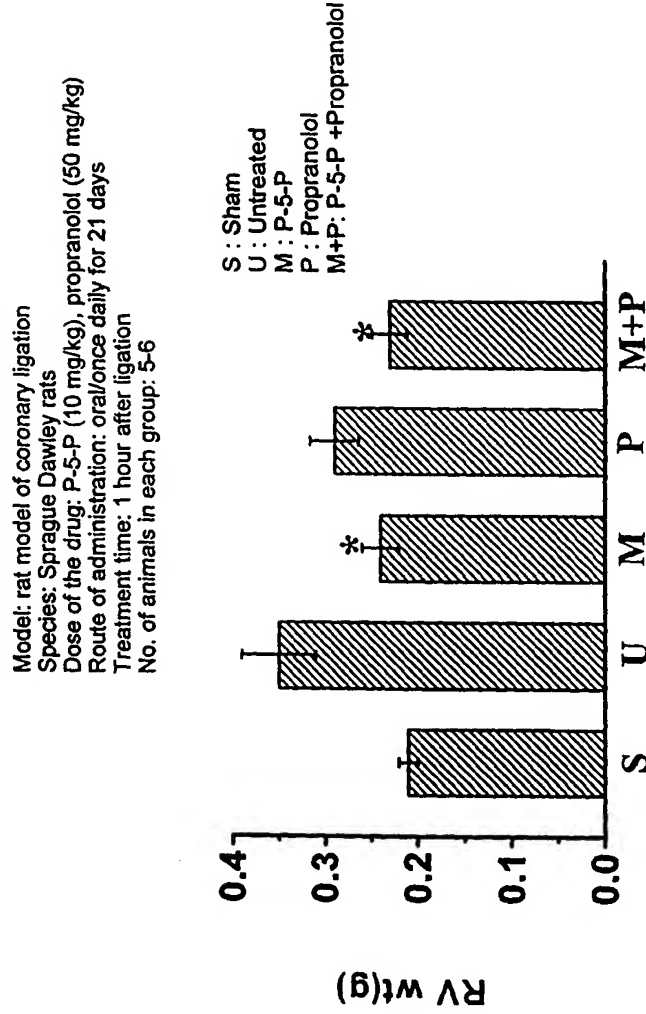


Figure 26

*P<0.05 significantly different from untreated group

Effect of P-5-P and propranolol alone or in combination on right ventricular weight



*P<0.05 significantly different from untreated group

Figure 27

Effect of P-5-P and verapamil alone or in combination on right ventricular weight

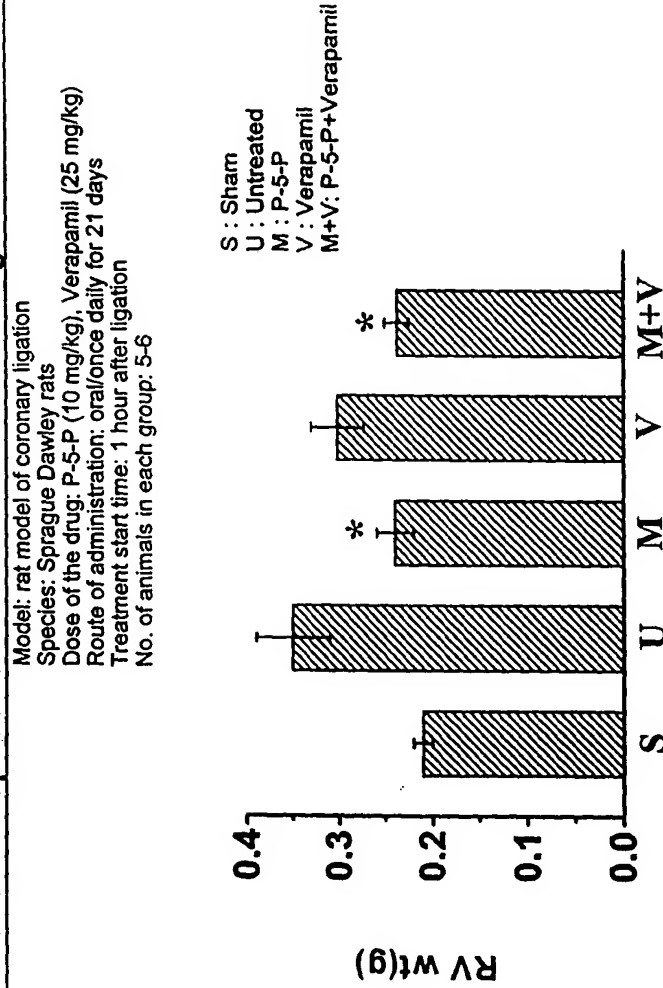


Figure 28

*P<0.05 significantly different from untreated group

Systolic Blood pressure in rats from all groups (1 week pretreatment) at "0" day

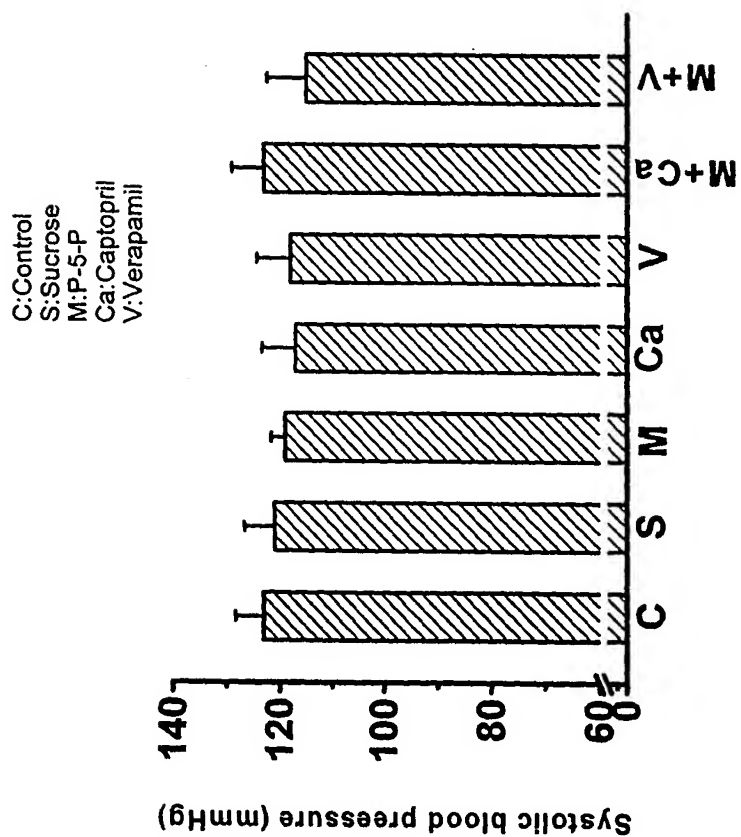
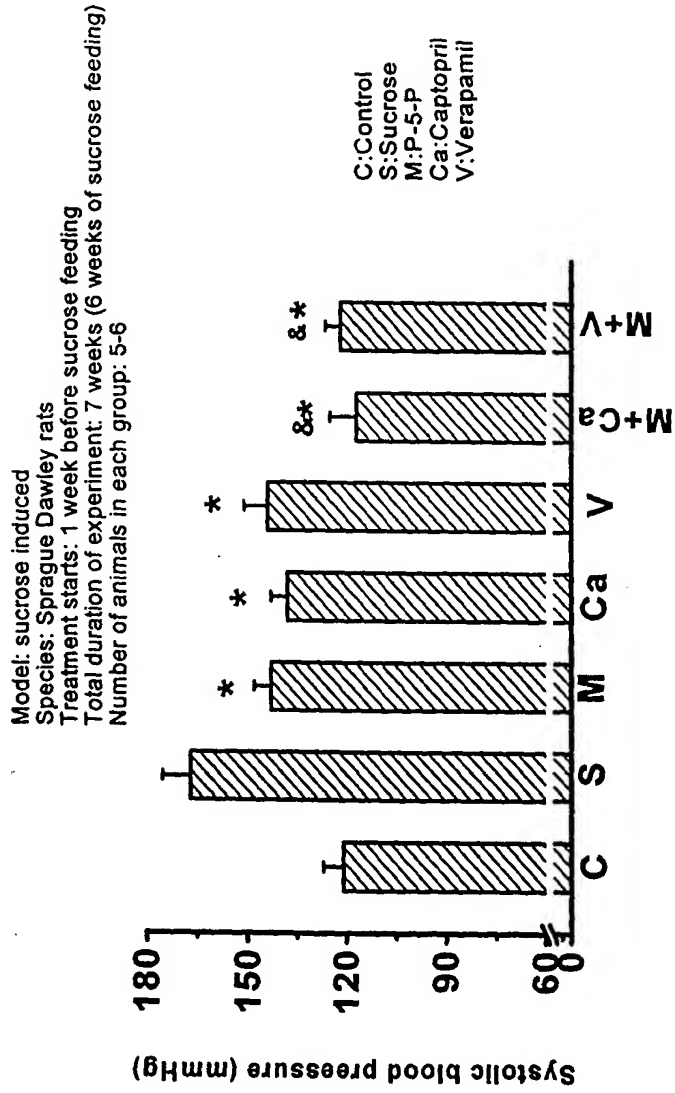


Fig. 29A

**Effect of P-5-P alone or in combination with captopril or verapamil
in sucrose induced hypertension in groups starting treatment 1 week prior to sucrose feeding**



*P<0.05 compared with sucrose group
#P<0.05 Compare with M and Ca group
&P<0.05 Compared with M and V group

Fig. 29B

Systolic blood pressure in rats from all groups (same day treatment as sucrose feeding)
at "0" day

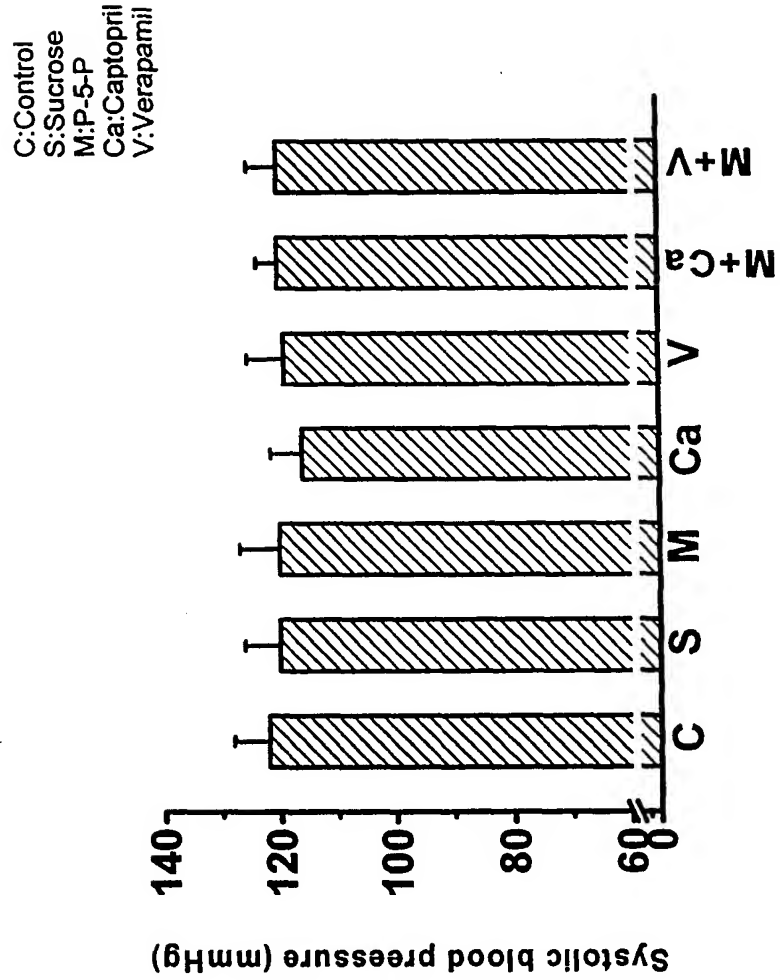
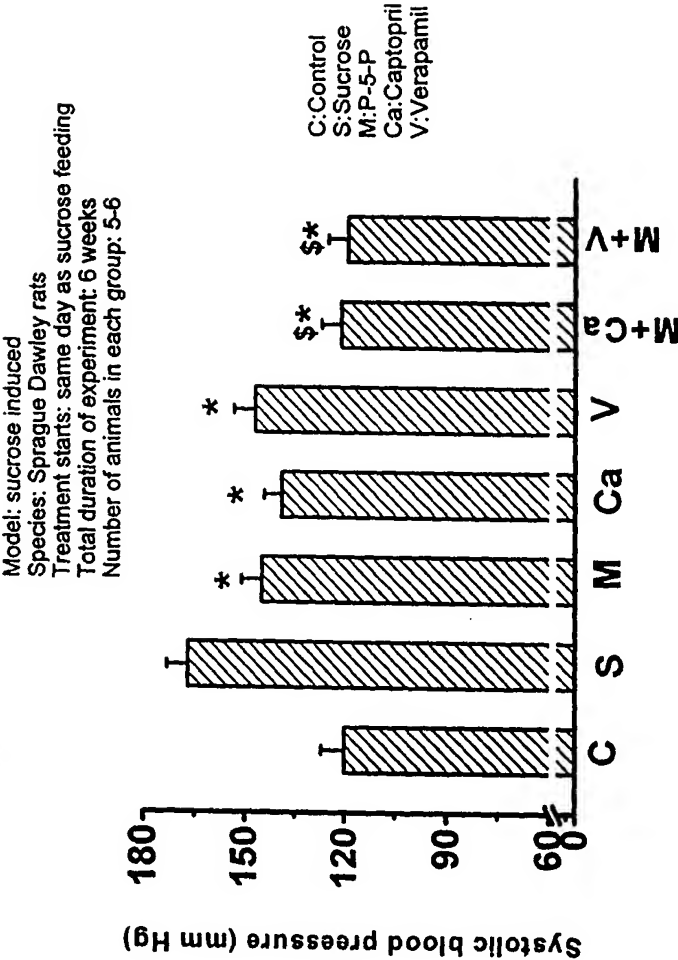


Fig. 30A

**Effect of P-5-P alone or in combination with captopril or verapamil
in sucrose induced hypertension in groups starting treatment same day as sucrose feeding**



*P<0.05 Compared with sucrose group
#P<0.05 Compare with M and Ca group
\$P<0.05 Compared with M and V group

Fig. 30B

Systolic blood pressure in rats from all groups (2 weeks after feeding) at "0" day.

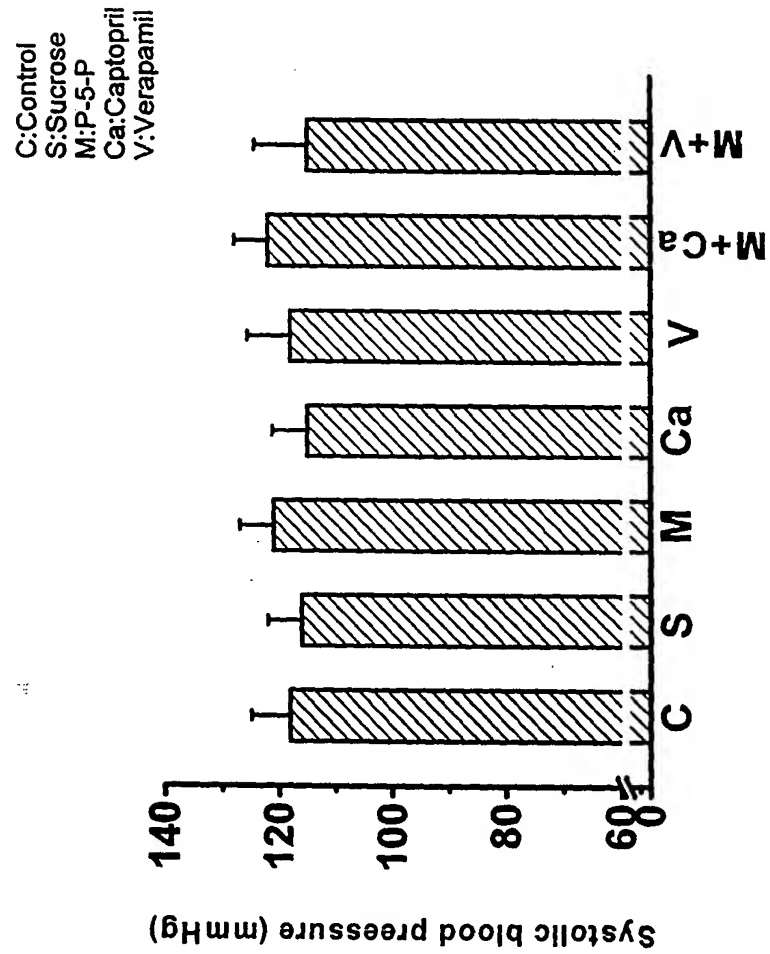
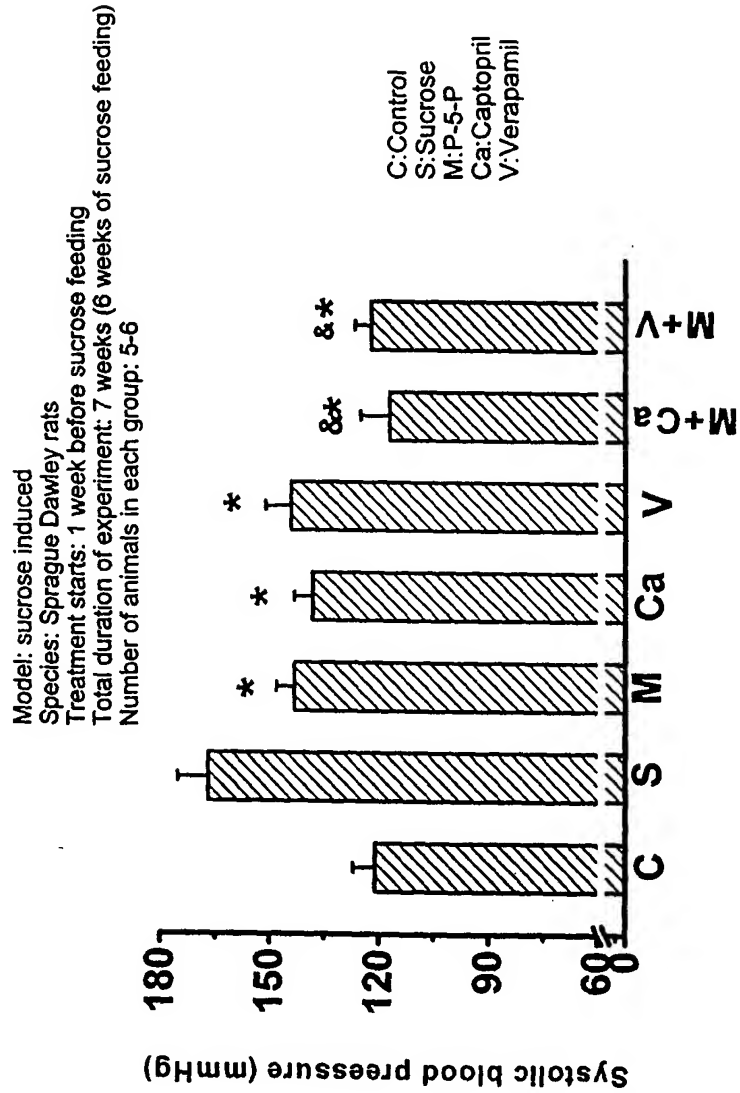


Fig. 31A

**Effect of P-5-P alone or in combination with captopril or verapamil
in sucrose induced hypertension in groups starting treatment 1 week prior to sucrose feeding**



*P<0.05 compared with sucrose group
#P<0.05 Compare with M and Ca group
&P<0.05 Compared with M and V group

Fig. 31B